

Please enter the following full set of claims:

1. (Presently amended) A light appliance and a cooling arrangement, comprising:
 - a) a light appliance;
 - b) a liquid-tight enclosure for the light appliance that gives off unwanted heat into surrounding air within the enclosure during operation, the enclosure having an external wall at least part of which is thermally conductive;
 - c) an electrical driver within the enclosure comprising an electrical or electromagnetic device for converting voltage and/or limiting current to the light appliance;
 - d) an air circulating device within the enclosure for circulating air, heated by the light appliance or by the air circulating device, to the thermally conductive portion of the external wall;
 - e) a medium that is in contact with said external wall of the enclosure; the medium (i) having adequate thermal conductivity; and (ii) being sufficiently cooler than the external wall of the enclosure that ~~an the air circulating device for circulating air, heated by the light appliance or by the air circulating device, to the thermally conductive portion of the external wall~~ removes sufficient heat from the air by dissipating the heat into the cooler medium through said thermally conductive portion so as to substantially increase lifetime of the light appliance; and
 - f) the enclosure being free of a channel formed between an interior surface of the external wall of the enclosure to receive forced air heated by the light appliance and a sleeve liner surrounding the light appliance, for controllably recirculating forced air within the enclosure;
 - g) the external wall being free of multiple heat fins extending between an inner surface of the external wall and the sleeve liner; and
 - h) the enclosure being free of a one-way air valve that opens a passage into the interior of the enclosure from the exterior of the enclosure when the pressure on a portion of the valve at the exterior of the enclosure exceeds the pressure on a portion of the valve at an interior of the enclosure.

2. (Original) The combination of Claim 1, wherein the light appliance comprises a filamented lamp.
3. (Original) The combination of Claim 1.h), wherein the filamented lamp comprises molybdenum leads.
4. (Original) The combination of Claim 1.h) wherein the lamp is a halogen lamp.
5. (Original) The combination of Claim 1, wherein the light appliance comprises a high intensity discharge lamp.
6. (Original) The combination of Claim 5, wherein the high intensity discharge lamp comprises molybdenum leads.
7. (Original) The combination of Claim 5, wherein the lamp is a high pressure sodium lamp, a high pressure mercury vapor lamp, or an ultrahigh pressure mercury lamp.
8. (Original) The combination of Claim 1, wherein the light appliance further comprises a heat sink for removing heat from the light appliance.
9. (Original) The combination of 1, wherein the light appliance comprises an LED.
10. (Original) The combination of Claim 9, wherein the light appliance further comprises a heat sink for removing heat from the LED.
11. (Original) The combination of Claim 1, wherein the medium comprises water.
12. (Original) The combination of Claim 1, wherein the medium comprises a solid.
13. (Original) The combination of Claim 12, wherein the solid includes a cooling device for cooling the solid to a sufficiently low temperature to allow substantial dissipation of heat from within the enclosure into the solid through said thermally conductive portion.
14. (Original) The combination of Claim 1 wherein the medium comprises air.
15. (Original) The combination of Claim 14, wherein the air comprises circulating air.
16. (Original) The combination of Claim 1, wherein the air circulating device comprises an electrical fan.
17. (Original) The combination of Claim 1, wherein the air circulating device comprises a heat pump or an air pump.

18. (Original) The combination of Claim 1, wherein the thermally conductive wall comprises stainless steel.
19. (Original) The combination of Claim 18, wherein the thermally conductive wall further comprises glass.
20. (Original) The combination of Claim 1, wherein the thermally conductive wall comprises a thermally conductive plastic.
21. (Currently amended) A light appliance with a cooling arrangement, comprising:
- a) a light appliance;
 - b) a liquid-tight enclosure for the light appliance that gives off unwanted heat into surrounding air within the enclosure during operation, the enclosure having an external wall at least part of which is thermally conductive; and
 - c) an electrical driver within the enclosure comprising an electrical or electromagnetic device for converting voltage and/or limiting current to the light appliance;
 - d) an air circulating device within the enclosure for circulating air, heated by the light appliance or by the air circulating device, to the thermally conductive portion of the external wall;
 - e) a medium comprising water that is in contact with said external wall of the enclosure; the medium (i) having adequate thermal conductivity; and (ii) being sufficiently cooler than the external wall of the enclosure that ~~an the air circulating device for circulating air, heated by the light appliance or by the air circulating device, to the thermally conductive portion of the external wall~~ removes sufficient heat from the air by dissipating the heat into the cooler medium through said thermally conductive portion so as to substantially increase lifetime of the light appliance; and
 - f) the enclosure being free of a channel formed between an interior surface of the external wall of the enclosure to receive forced air heated by the light appliance and a sleeve liner surrounding the light appliance, for controllably recirculating forced air within the enclosure;

- g) the external wall being free of multiple heat fins extending between an inner surface of the external wall and the sleeve liner; and
 - h) the enclosure being free of a one-way air valve that opens a passage into the interior of the enclosure from the exterior of the enclosure when the pressure on a portion of the valve at the exterior of the enclosure exceeds the pressure on a portion of the valve at an interior of the enclosure.
22. (Original) The combination of Claim 21, wherein the light appliance comprises a filamented lamp or a high intensity gas discharge lamp.
23. (Original) The combination of Claim 21, wherein the light appliance further comprises a heat sink for removing heat from the lamp.
24. (Original) The combination of Claim 21, wherein the thermally conductive wall comprises stainless steel.
25. (Original) The combination of Claim 24, wherein the thermally conductive wall further comprises glass.
26. (Cancelled)
27. (Cancelled)
28. (Cancelled)
29. (Cancelled)
30. (Cancelled)
31. (Cancelled)
32. (Cancelled)
33. (Cancelled)
34. (Cancelled)
35. (New) The combination of Claim 1, wherein the external wall is free of multiple heat fins projecting outwardly from an outer surface of the external wall.
36. (New) The combination of Claim 21, wherein the external wall is free of multiple heat fins projecting outwardly from an outer surface of the external wall.